

APR 17 1980

U.S. DEPARTMENT OF LABOP  
Occupational Safety and Health AdministrationForm Approved  
OMB No. 44-R1387

DPH 5265

## MATERIAL SAFETY DATA SHEET

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*Desiccant, Activated, Bagged*Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME W. R. Grace & Co., Davison Chemical Division	EMERGENCY TELEPHONE NO. ---
ADDRESS (Number, Street, City, State, and ZIP Code) 10 E. Baltimore Street, Baltimore, Maryland 21202	
CHEMICAL NAME AND SYNONYMS Silica Gel	TRADE NAME AND SYNONYMS Protek-Sorb 121
CHEMICAL FAMILY Inorganic Oxide	FORMULA SiO <sub>2</sub> xH <sub>2</sub> O

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		N.A.	BASE METAL		N.A.
CATALYST		N.A.	ALLOYS		N.A.
VEHICLE		N.A.	METALLIC COATINGS		N.A.
SOLVENTS		N.A.	FILLER METAL PLUS COATING OR CORE FLUX		N.A.
ADDITIVES		N.A.	OTHERS		N.A.
OTHERS		N.A.			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	2.1
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT, VOLATILE BY VOLUME (%)	6.0
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____ =1)	N.A.
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Clear, translucent particles; no odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Nonflammable	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	N.A.			
SPECIAL FIRE FIGHTING PROCEDURES	None required			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	Not applicable; product is granular and inert.
EFFECTS OF OVEREXPOSURE	Drying of skin or mucous membrane on prolonged contact;
	however, no health hazard has been demonstrated.
EMERGENCY AND FIRST AID PROCEDURES	No emergency procedures indicated or required. If silica gel dust accumulates on body surfaces, wash off with water. Material is inert.

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID N.A.
	STABLE	XX	
INCOMPATIBILITY (Materials to avoid) N.A.			
HAZARDOUS DECOMPOSITION PRODUCTS None			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	XX	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Normal housekeeping. Sweep up; and if not contaminated by spill, return to original container.	
WASTE DISPOSAL METHOD	
Normal trash or landfill.	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) None required.			
VENTILATION	LOCAL EXHAUST	SPECIAL	N.A.
	MECHANICAL (General)	OTHER	N.A.
PROTECTIVE GLOVES None required.		EYE PROTECTION None required.	
OTHER PROTECTIVE EQUIPMENT None required.			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep containers closed tightly to avoid moisture adsorption before use.	
OTHER PRECAUTIONS	
Avoid heating over 600°F. as this will destroy desiccant properties. Moisture pickup or overheating will affect product quality but will not introduce safety hazards.	